

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q78853

Tomoya MIYAKAWA, et al.

Appln. No.: 10/728,979

Group Art Unit: 1631

Confirmation No.: 2814

Examiner: Shubo ZHOU

Filed: December 8, 2003

For: SEQUENCE DISPLAY METHOD AND HOMOLOGY SEARCH METHOD FOR  
FACILITATING ACCESS TO INFORMATION RELATING A REGIONS OF MUTATION  
AND REGIONS OF SIMILARITY BETWEEN PLURALITY OF SEQUENCES

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. European Patent Application Publication No. 1 199 668, published April 24, 2002.
2. C. Mayor, et al.: "VISTA: visualizing global DNA sequence alignments of arbitrary length"; Bioinformatics Applications Note; Vol. 16, No. 11; November 2000; pages 1046-1047.
3. N. Jareborg, et al.: "Alfresco-A Workbench for Comparative Genomic Sequence Analysis"; Genome Research; Cold Spring Harbor Laboratory Press; Vol. 10, No. 8; August 2000; pages 1148-1157.
4. N. Harris: "Genotator: A Workbench for Sequence Annotation"; Genome Research; Cold Spring Harbor Laboratory Press; Vol. 7, No. 7; July 1997; pages 754-762.
5. G. Helt, et al.: "BioViews: Java-Based Tools for Genomic Data Visualization"; Genome Research; Cold Spring Harbor Laboratory Press; Vol. 8, No. 3; March 1998; pages 291-305.

INFORMATION DISCLOSURE STATEMENT

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Atty. Docket No.: Q78853

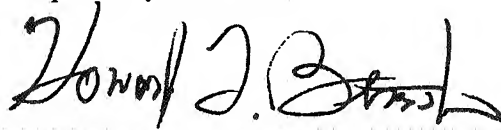
One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding European Search Report, dated January 30, 2007, issued in the corresponding European Patent Application which cites the above listed documents.

The present Information Disclosure Statement is being filed after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore Applicant is filing concurrently herewith a Statement Under 37 C.F.R. § 1.97(e). No fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: April 18, 2007

Substitute for Form 1449 A & B/PTO  <b><u>INFORMATION DISCLOSURE</u></b> <b><u>STATEMENT BY APPLICANT</u></b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/728,979
				Confirmation Number	2814
				Filing Date	December 8, 2003
				First Named Inventor	Tomoya MIYAKAWA
				Art Unit	1631
Examiner Name	Shubo ZHOU				
Sheet	1	of	1	Attorney Docket Number	Q78853

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		EP	1 199 668	A2	04-24-2002	LION Bioscience AG	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		C. Mayor, et al.: "VISTA: visualizing global DNA sequence alignments of arbitrary length"; Bioinformatics Applications Note; Vol. 16, No. 11; November 2000; pages 1046-1047.	
		N. Jareborg, et al.: "Alfresco-A Workbench for Comparative Genomic Sequence Analysis"; Genome Research; Cold Spring Harbor Laboratory Press; Vol. 10, No. 8; August 2000; pages 1148-1157.	
		N. Harris: "Genotator: A Workbench for Sequence Annotation"; Genome Research; Cold Spring Harbor Laboratory Press; Vol. 7, No. 7; July 1997; pages 754-762.	
		G. Helt, et al.: "BioViews: Java-Based Tools for Genomic Data Visualization"; Genome Research; Cold Spring Harbor Laboratory Press; Vol. 8, No. 3; March 1998; pages 291-305.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.

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MUTATION AND REGIONS OF SIMILARITY BETWEEN PLURALITY OF  
SEQUENCES

**STATEMENT UNDER 37 C.F.R. § 1.97(e)**

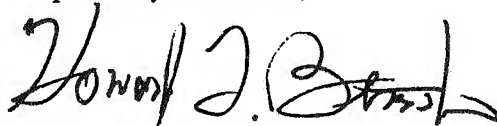
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed  
concurrently herewith was first cited in any communication from a foreign patent office in a  
counterpart foreign application not more than three months prior to the filing of said Information  
Disclosure Statement.

Respectfully submitted,



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